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(54) Title: HEAT TREATED NONCOHESIVE STARCHES AND FLOURS AND PROCESS FOR THEIR PRODUCTION

(57) Abstract: A process for making a heat treated, non-chemically modified, noncohesive starch or flour comprises the steps of providing a native, granular starch of a flour at a neutral or basic pH, dehydrating it to a moisture content of preferably less than 5 % by weight, and heating the starch or flour at greater than 100 °C for a period of time effective to obtain a product that is noncohesive when dispersed in an aqueous medium and gelatinized. The starch or flour is used in place of chemically cross-linked starches or flours.

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# INTERNATIONAL SEARCH REPORT

In tional Application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 C08B30/12 A21D6/00 A23L1/0522

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 C08B A21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB,A,595 552 (CORN PRODUCTS COMPANY) 9 December 1947 see page 1, line 31 - line 33 see page 2, line 25 - line 107 ---	1-50
X	GB,A,263 897 (CHARLES WOODLAND CHITTY ET AL.) 24 December 1926 see page 2, line 85 - line 105 ---	26-50
A	US,A,4 303 452 (OHIRA ET AL.) 1 December 1981 cited in the application --- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

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International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE WPI  Week 8652,  Derwent Publications Ltd., London, GB;  AN 341929  &amp; JP,A,61 254 602 (NICHIDEN KAGAKU KK) 12  November 1986  cited in the application  see abstract</p> <p>-----</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB-A-595552		NONE	
GB-A-263897		NONE	
US-A-4303452	01-12-81	JP-A- 56099766	11-08-81
		JP-C- 1134634	14-02-83
		JP-A- 55138400	29-10-80
		JP-B- 57017504	10-04-82
		JP-C- 1421921	29-01-88
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		JP-B- 62029441	26-06-87
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		GB-A, B 2050798	14-01-81